Numbers and Operations
Lesson 7: Estimation
Math for Standards

Name _____

Date _____

EQ: How is estimation used to simplify the problem solving process?

We work with estimation for those times we are without a _____.

When rounding to estimate products, round each factor to the

_____.

Use _____ for estimation quotients.

Compatible numbers are numbers that can be _____ easily.

For estimating fractions, determine if the number is closer to _____, _____, or _____.

If you are multiplying two fractions that are less than one, the product will be

_____ than both fractions.

Example 1: Which of the following is the best estimate for the product $397 \bullet 42$? Is your estimate high or low?

A. 15,000
B. 16,000
C. 17,000
D. 18,000

Example 2: Matt Mitarnowski is saving to buy an 72" 3-D HDTV that costs $3896. He has $1307 saved already. If he puts away $190 at the end of each month, about how much will he have after one year? Will he have enough for the TV?

Example 3: About how much will you pay for 18 pounds of sliced cheese at $4.96 per pound?

Example 4: Estimate the quotient $82,324 \div 942$.

Example 5: Which set of fractions is in the correct order from least to greatest?

A. $\frac{3}{5}, \frac{1}{7}, \frac{5}{6}$

B. $\frac{8}{9}, \frac{4}{7}, \frac{1}{6}$

C. $\frac{2}{11}, \frac{8}{15}, \frac{9}{11}$

D. $\frac{4}{9}, \frac{9}{10}, \frac{3}{13}$

Example 6: Fuzzy Jeff estimates that it takes him 1/3 an hour to mow the lawn, 50 minutes to clean the gutters, and 10 minutes to hose down the driveway. If he is correct, could he complete all the work in an hour and a half?